966. f. 19.
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A PROFITABL VVorke to this vvhol Kingdome.

Concerning the mending of all High-way as also for Waters and Iron workes.

K.

Written by *Tho: Procter* Esquire.

Imprinted at London. 1610.

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A

MVSEVM
BRITAN
NICVM

To his moſte excellent Maieſtie concerning theſe proiects of the Author.

BY knowledge true I did preferre,
vnto your highneſſe proiects three
Of mickle worth, exceeding farre
the ſubtill ſleight of Enmitie.
Shee ſeekes my truth for to ſuppreſſe,
And I to Wiſdome for redreſſe.

Where reaſon is by knowledge found,
your highneſſe pleaſure to fulfill:
Extending many a thouſand pound,
in ſecret knowne to Arte and skill,
Should ſingle wits there iudge or deeme
where knowledge wants or hath not beene?

I am not of that learned lore,
of Riplie, Kellie, and other moe:
Whoſe learned workes are gone before,
figuratiuely, I meane not ſo,
But plainely in a homely ſtile,
ſhewing the truth deuoide of guile.

In plow-mans painefull toile,
my skill is ſomething good:
And in the arte deuoide of guile,
my minde not wauering ſtood.
Loe yet my heart could not diſcearne,
by gloſing wordes that skill to learne.

By duety I doe bow and yeelde,
by rigors rage I nothing see:
By guilefull guiftes that hath been sild,
brought to the baites of flatterie:
My sight not dim, though blinde I am,
and liues on earth a simple man.

I am not knowne, nor will not be,
but as the Bird who seeth the net:
I fall into each ieopardie,
and none but God the same can let,
Therefore good King know most iust,
in God aboue I put my trust.

For if with golde I had been fedde,
my sellfe had had a passing parte:
And eke my sences had been led,
from learning of that noble arte
Of knowledge, which so many knowe,
vnto the end it prowes not so.

For knowledge is a secret thing,
and knowledge is a vertue great:
And knowledge doth make wisdome spring,
and knowledge tis wher of we treate.
The loue and life of euerie thing,
with due obedience to our King.

Blisse-full thy hap, thy life, and eke the daies,
as *Dauid* did to God, giue thou thy praise,
Who was, who is, euerlasting seeing,
Rules Princes dead, and those now aliue being.

A Description of the manner how to mend high-waies.

THis Treatise & discription of High Wayes, for these partes of his Maiesties Kingdome of Greate Brittaine, With their diuers and seuerall plat-formes, frames, order, and manner of making of them, Whereby all the said high-Waies shall or may bee made more sound and strong, pleasant, and comfortable for all maner of Way-faring iourneying, or traueling With Cartes and carriages, or other Waies by these said high Waies, All Which is heerein plainely laide open and made manifest by Thomas Proctor Esquire. In this his Treatise is set downe for the generall good and helpfull instruction of al Countrimē, & for al places, and chiefly and moste needefully, Where

there is greate lacke and Want of good Waies, and Where there are verie little or no good Waies made: as in Holland in Lincolne-ſhire & ſuch like: and to the dayly continuall great griefe and heart breaking of man and beaſt, With charges, hindrances, Wearing and tyring of them, and ſometime to the great and imminent danger of their liues, and oftē ſpoile and loſſe of goods, and alſo in ſome places elſe Where, great hurt and ſpoile of Fences and grounds, With riding and going ouer the Corne, and ſuch like, by ſhifting & ſeeking the beſt Way diuerſly: all Which by theſe meanes are, or may bee remedied and preuented: And although it may be that in the foreſaid places, or ſome of thē, there hath beene beſtoWed the yearelye great alloWance of ſo many yeares paſt, With the yearelye labours and charges thereof, and thereto by the laWes appointed and prouided With the beneuolence of ſo many Well diſpoſed perſons, deſceaſed, Which haue giuen for and toWardes the making, mending, and repayring of high Waies, in diuers and ſundrie places of this his Maieſties laide kingdome, With

With diuers other voluntarie helpes, beſides, the ſaide greate allowance of men, and matter fitting to theſe yearelye and common daies labour and worke, &c. The aforeſaid conſiderately looked into, he findeth no reaſon why there ſhould be any ill waies. Notwithſtanding, all which, or much therof hath been beſtowed to little or no purpoſe, but much thereof vtterly loſt both coſt, worke and ſtuffe, for want of meete matter, or orderly maner in diſpoſing the ſame in their ſaide workes, as appeares too manifeſtlye in moſte of thoſe their works at this day. And as he by his practiſe and coſts, hath found true and prooued: That the labour of twentie fiue able perſons, that are readie in their worke, and well diſpoſed thereunto with Pick-axe, ſpade ſhouell, rake and rammer, chipare and Augur, to be choſen and taken out of euerie pariſh, and ſo forth generallye out of all ſuch numbers, of all vſuall and common daies labours, &c. Orderlye to bee ſet to worke in this his manner, with their carts & carriages according, with ſome boyes and maides to helpe, where cauſe

requires,

requires, ſhal or may ſuffice to make half a furlong yearelye, and as much good and faire way, and diſpatch them, to the bettering of the worſt and fouleſt waies to be made good and ſtrong in euerie pariſh, as twice ſo manye ſhould or could haue done heeretofore in this proportioned worke and orderly manner without this laide preſcribed manner and order heerein made knowne. And heerewithal is to be remembred that one principal and chiefe cauſe of al bad and foule waies is, that the raine water or other water doth lye and reſt vpon ỳ high waies (not orderlye and ſoundlye made) which with the working of cart wheeles & others, dooth peirce downe more deeper into the ſaide waies, and ſo more and more doth ſoften and rot the ſame, as by dayly experience is ſeene and knowne. And alſo that the ditches and common ſhowers are not yearely cleanſed ſo as is needfull, which are the beſt helpes to drawe and dreane the waters off and from the moſte parte of all high waies and groundes (as in reaſon there ſhould bee) and by his Maieſties lawes ought to bee done; which

not

not hauing beene done orderly is one reason of, and wherby much of their former labours and charges with their waies and workes are wasted, as aforesaid, and little good way to bee found, whereas these foresaid thinges otherwise preuented, then once well made and stronglye done, though but a furlong yearelye in euerie parish so to bee made, so as one parish may bee helpfull vnto another next adioyning with men or mony, of the surpulsages of other greater parishes, to supplie the wantes of the lesser parishes, at the rate heere in this his book expressed so as by help one of another, there may easilye bee performed yearelye fortie rodds at the least in euerie parish, and so yearely by little and little heereby all former labours & charges which haue vnprofitably beene wasted, shall bee cut off, and all such future labours and charges shal be preuented and saued to some needful and profitable vses: For this saide worke once well made and done, must needes be better and cheaper, then yerely still a making and doing, and neuer well made and done, so as it ought to bee, and

as is by the lawes therfore appointed, intended and ment.

The neglect and neceſſitie Wherof, and the loue to his country in this his laſt age and yeares, hath inforced him hereunto, out of his care, charge, paines and practice, to make knowen the ſame. The effects Whereof dooth and may appeare With other his ſtudies & labours for the general good of all in this his booke duelye or indifferently conſidered, to the making and bettering, as is aforeſaide of all high-Waies, thereby to be made more ſufficient and durable, more eaſie, With much leſſer matter, ſtuffe, charges, and erpences thē euer heeretofore hath beene done (by their common daies labors) Which by Art and action dooing, Wil & may cut off and ſaue very much of the yerely charges & labors of former times and Works, as aforeſaid.

Firſt therfore a platforme and foundation muſt bee caſt & made in cawly-Wiſe, that is to ſay, to be made a rodd broad at the leaſt, Wherupon two carts may meet and paſſe one by another, & on either ſide the ſaid cawſie of that breadth, to draw a ditch of 3. foot depth, & 4. foot broad, & that earth

earth which shal be so digged, must be cast vp frō the said ditch to ẏ midst of ẏ cawsie of a rod broad, proportionally, that the middest & height of the said way may bee in bredth one yard, & higher by two foote in the midst, then at the outward sides or edges of the same: the higher ẏ midst and lower the sides, the drier and better way to void the water, which water is the only rotting and spoyling of al high waies, and the only losse of al charge and cōmon daies labours heretofore, ẏ no good way hath bēen made and continued for want of true maner and forme, and due consideration hereof in their former works.

Secondly this cawsie, if it be of a clayish soile, or of such like slimy or spungy earth, it must be wrought and cast vp in ẏ Winter season, that it may haue time to settle and ioyne firmly and soundly together, & so being cast and made as before said, that no carts be suffered to passe vpō it, til the spring time, or that the earth thereof bee drie and hard, for marring and breaking his shape and forme made as beforesaide, for if in Summer it shall bee caste, it wil rise in such hard clottes and

tough greate lumpes, as will hardlye with greate labour and much ramming bee digested and brought to a good foundation, but at a far more greater charge then the before said. When the earth is soft and kindely to digge and ioyne together.

The which thus cast & made in Winter as before, be sure thē that your forenamed ditches on either side the saide Cawlie be so artificially and handsomelye contriued, made and cleansed of filth and soile, that the raine water which shall fall from the said Cawlie, may haue a speedie Current in those ditches, and so falling into ditches which must bee made by some good iudgement of Workemen, or other instrument to that purpose, that the said water from thence may haue a good and speedy passage to the nert ditches, and so from ditch to ditch, gutter to gutter, or other conueyances of water to the common shoares, and so to the nert brook or maine streame adioyning to the saide Workes or any of them.

Thirdly, if your ground or earth in any of your Waies to be made, bee garden-like moulde, soft, sandye or crumbling, or such

ſuch like ſhort earth, then will that ſort of earth with ſmall labour of ramming of it ſelfe, with treading and going vpon it in their labours & workes, ſettle and ioyne ſoundly together, and eſpecially after ſome good ſhewres of raine falne thereupon, which then will be a good foundation preſently, to frame and binde in with Timber, Woodrailes or powles, as to place, lay, fill, and couer with ſtones grauell, ſand, or ſmall Wood to be cut of Billet or faggot faſhion, or anye other hard or drie matter to bee had or made by art or otherwiſe (according to the plentie or neceſſitie of euerie ſoile and place) as in diners, and in euerie ſundrie ſeueral manners, ſorts & formes of workes and workings, in this his booke is declared, ſhewed, and plainely ſet downe in their places for euerie one to follow and worke thereafter accordingly: al which manners and emptie places of all thoſe Wood frames you do vſe, muſt be filled as you ſee, either with Wood, ſtones, Iron-cinders, Iron-ſtones, Grauel ſtones or other, & ſo filled. Laſtly to be Well couered ouer with ſmal grauel, rubbiſh or ſand, or anye other

ſtones broken ſmal. And hære is to be cõ-
ſidered, that in euery pariſh one with an-
other there are to be eſtimated of vnſpea-
keable or vnknown numbers of houſhol-
ders plowes & carts, to be rated at three
ſhillings euery cart, and therfore ſo many
men for their worke of high waies, to bee
rated but at 8. pence euerie man the day,
beſides the help of women and children,
fit to ſerue in this worke as heeretofore
haue done, for gathering of ſtones and
carrying of matter and ſtuffes with
bowles, creeles and baskets & ſuch like,
for to fil hollow places according to their
accuſtomed & yerely vſual maner heereto-
fore in repayring of high waies, which
yerely amounteth to a great ſumme.

From amongſt which numbers of houſ-
holders, plowes and carts beforeſaid, are
to be choſen or made for this worke two
and fiftie men, with 12. carts, and 12 men
part of ỳ ſaid 52. for the ſeruice of 6. daies
to bring in matter and ſtuffe likewiſe ac-
cording to the cuſtom of the yerely repai-
ring of high waies in euerye pariſhe, and
that thẽ euery cart & mã ſo ſeruiceable in
theſe workes, to be rated for their 6. daies
labour,

labour, but as afore∫aide, after three ſhillinges the day for euerye cart ſo ſeruing, and the reſt of the ſaid labouring men being 38 to be rated as afore∫aid after eight pence the day, of Which number of 38. there muſt be 20 at the leaſt of verie ſufficient able men of ſome good iudgement in their owne labours: If ſuch bee Wanting they muſt be choſen and hired to doe ſuch Worke as ỳ ſurueyor or ſurueyors of ỳ ſaid Worke, ſhal direct & appoint in euery pariſh according to theſe his rules in this his booke vnder Writtē. Likewiſe out of ỳ ſaid reſt of 52. noW remaining, being noW but 20. 12. muſt be ſufficiēt laborers With ſhouels, pickare and ſpades, for making and fitting the ſaide platforme and foundation in manner and forme (as before ſaid) to be readie for the ſecond Worke, to be laid, made and framed vpon, to bee filled With earth, and faſt rammed for ſhrinking.

Theſe laſt before ſaid. 20. ſuch able men Wil digge, ditch, caſt, leuell, plaine, and make readie, and finiſh fortie rods, Which is a furlong in all the ſaide fiue daies, according to the Statutes heeretofore made, of and for the Workes of euerye yeare,

yeare for euerie parish yearely this Worke during, but seauen or tenn yeares space, Which after the saide accompt of fortie roddes in euerie parish yearely to bee Wrought and made as before saide; Will make good, fil, and dry vp al foule, hollow & bad places With a small yerelye charge and labour to bee maintained, passable, good and faire for euer after, Where heretofore the labours and costs of such great numbers of housholders plowes & carts for these fiftie yeres past haue beene spent and loste, and little or fewe good Waies made in any such order, maner and forme.

If the ground, soyle, or earth bee clayish, or destitute of stones, a binding must needes bee made for this Worke of Wood, framed and made & likewise filled With Wood, as appeareth by the platformes hereafter discribed: That is to say, poles of young Wood, or rayles of base Timber, of length eighteene foote, and in thicknesse or compasse round about some ten or twelue inches one With another, or lesse where Wood is scant, & if they shall lacke of that length, to take two shorte, to make one longe, so as When they are framed

med and made fit, and pinned downe with stakes with wodden pins through them, they may be a rod square at ỳ least within the said frame and crost with such like timber made fast as is needfull, according to the platformes and sundrie maners of workes and working in this his booke plainely set downe.

Also it is to bee considered, that if anye such matter & stuffe fit for the said Work, cannot bee had within two miles of the said worke, as is moste commonly to bee had within that compasse in most places & parishes therabouts, being diligently sought for, yet neuertheles 12. cartes will suffice within their fiue common daies labour, at two miles off, to bring in sufficient loades of such matter of stones, wood, or other drye or hard matter, as will performe the yearely accomplishment and finishing of one furlong of the worst way euerie yeare in euerie parish, being fortie rods a yeare: and if it be at a mile off, or from the worke, then fiue cartes will performe as much as the other twelue: if but at halfe a mile from the saide workes or Cawse, then three cartes are able to per-

 forme

forme the ſaide carriages, as in ſtonye or Wood countries, Where ſuch ſtuffes or ſtones are neare at hand. And then there & in ſuch places, ſo much money, labours & charges is ſpared & gotten after three ſhillings in euerie cart by day, more then in other pariſhes, where it is not ſo eaſie to be had, and ſo likewiſe in the mens labors of euery houſholder after eight pence by day, cõtaining great numbers in their former labours of their ſaid high-Waies, beſides Women & children, as aforeſaid, yerely heeretofore ſo inconſiderntely conſumed and ſpent: all Which charges hereby ſo ſaued, ſome part thereof to bee imployed and reckoned for Wood for the ſaid frames and ſtrong binding, and making of the ſaid cawſie and high-Waies With their belongings, & all the reſt ſo ſaued to bee at his Maieſties good pleaſure, to Whoſe moſt gratious fauour, hee humbly ſubmitteth himſelfe, and to the good conſideration of all his louing countrie men, for this his skill and paines taken ſo diuerſly to his coſt and charge in ſetting foorth this his manners of high Waies, With his other proiects of Water, for making

king of anye drie towne to haue waters brought vnto them, or neare vnto them, or bringing one riuer to or neare vnto another, as Thames to or neare Seuerne, or Seuerne neare or to Thames at an easier rate then any other, for botes, lighters and bardges with their ladings and carriages to passe too and froe with Seacoales, which are as wel in his maiesties forrest of Deane, as in Wales, are plentie to be had neare there abouts, for transportation at a reasonable rate, with other more such like places (as now from Newcastle in way of decaye) and also for making of Iron in quality and quanty good and merchantable, according to the nature of the mine, with a third part of wood-coles wher it may be spared, or otherwise with out any wood coles at al at greate profit, such as thereon may bee gained, 33. shillings vpon euery tunne, as the prise of Iron there now goeth, or three shillings vppon twentie, vpon euerie returne where the same shall bee made, for the generall good of his maiesties kingdome and Subiects.

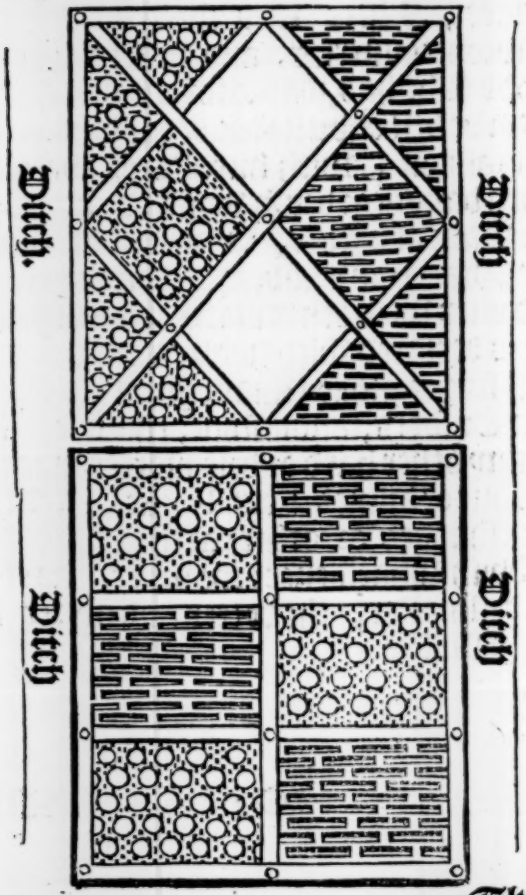
All which, or any of them, he ſhall ſhew & performe the tryall by actiõ & working of Workemen, With cleare appearance of the benefits and profits theron, and therin to his Maieſtie if hee ſhall bee called thereto, and thence to any other that ſhal deſire to be ſatisfied therein, that ſhall bee fit and furniſhed therefore.

A tryall and true performance of all the before ſaid, may bee made vnder fiftie pound expences fully to ſatisfie, euery one of capable vnderſtanding.

Theſe being true, as true they be,
not ſet to worke is great pittie,
But ſcorne and blame ſuch workes they haue,
where enuie knowledge doth depraue.

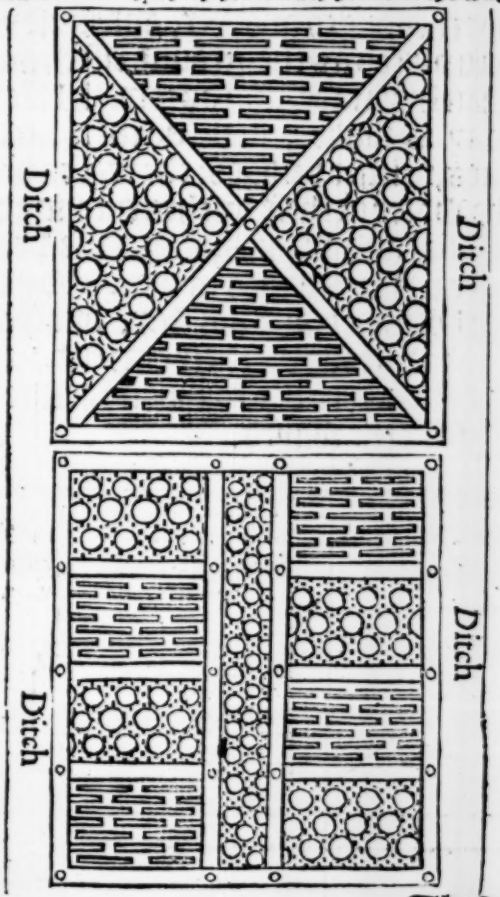
These frames hereafter following (beeing made of Wood) doe represent euerie one of them a rodde of ground square, Where they shall bee made in Wood countries, and Where there is Wood to be had, may all of them, or any of them be filled With Wood, cut billet or fagot fashion, With hurdles or Wattles, With bauins or brush Wood, or such like for Want of bigger, being vnbound and Well placed and laid, and then Well couered ouer With other matter, & in manner as is declared With small grauell, or grauell stones broken small, Iron-stone, Iron Cinders, sandie stone, chalke or lime, or any other hard or drie matter made by art out of kilnes: as bricke, hard tile, Potshardes or other earth, sand or any rubbish Whatsoeuer: the dryer, harder, and smaller, the better and fayrer the Way Will be.

Theſe figures beere vnder, euerie of them repꝛeſenting a rod of high-way ſquar, ebound with poles of young wood, oꝛ ralles, croſſed diuerſly as you may ſee; are to bee filled within wᵭ wood, ſtones, grauel, oꝛ ſuch like matter, as beſt may be had

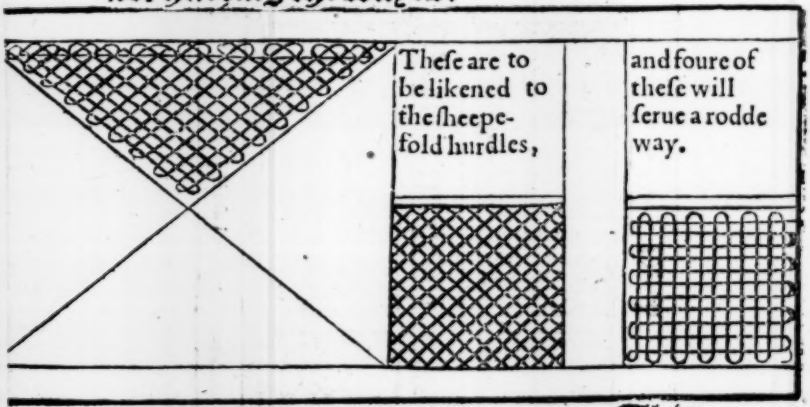


Theſe

These like wise as you see heere vnder figured, are to be filled with stones or wood, and rammed hard downe as Paulers doe, & then well ouercouered with grauel, smal stones or sand, Iron-cinders: or other, the smaller, the better the way.

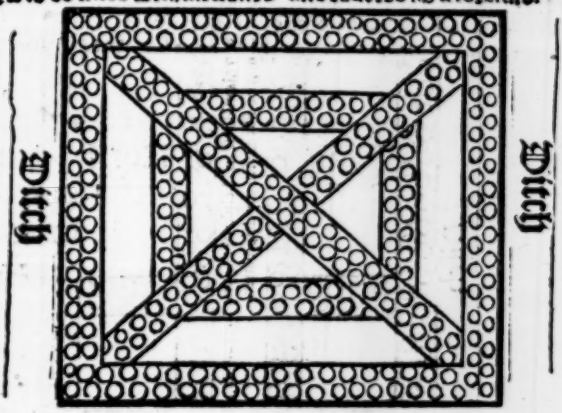


Theſe frames of Wood and hurdles, or Wattles made of ſpring Wood, are of ſmal price, When they are Wel made and ioynted together one to another, and muſt bee laid and placed as the ground riſeth and falleth in his kinde, and as it lyeth before the Way is made, ſhall neither neede trunckes, neither bridges: the reaſon beeing, the Water in theſe ditches running by the cawſie and frames, may paſſe verie Wel ouer the ſaid Waies in thoſe loW places and bottomes, and not ſtay, but ſpeedily paſſe and followe their current, into the nexte ditches to the common ſheWes, not hurting the Wayes.

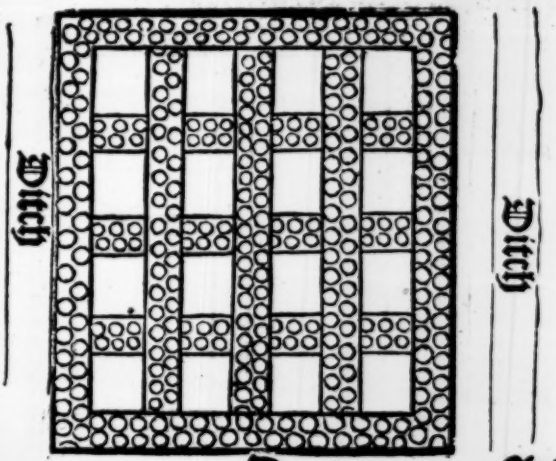


This

These frames hereunder bound about, & crossed as you see, is first to be filled with all stones and couered as a foresaid.

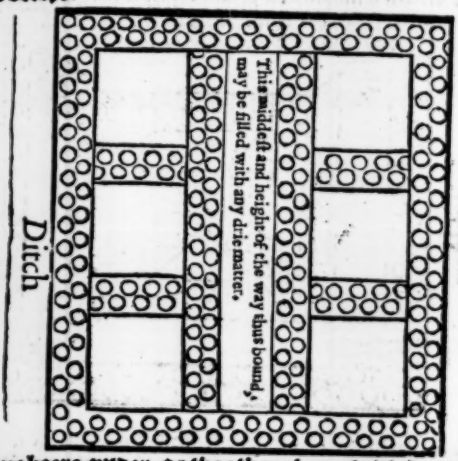


And this likewise bound and crossed as you see with stones, & the rest of it to be filled as the former, with gravel or other.

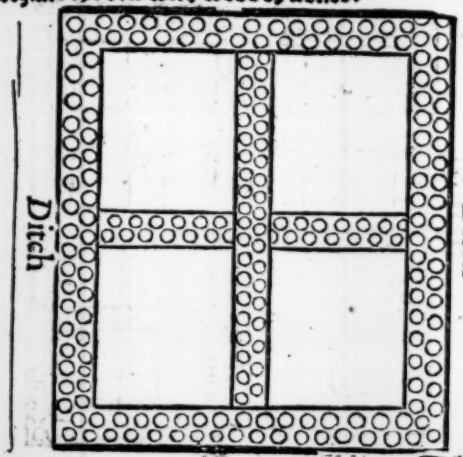


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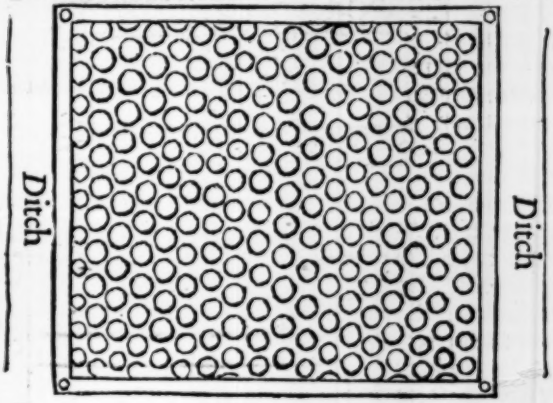
And this frame heere under, is to be laid, filled and couered as the other before.



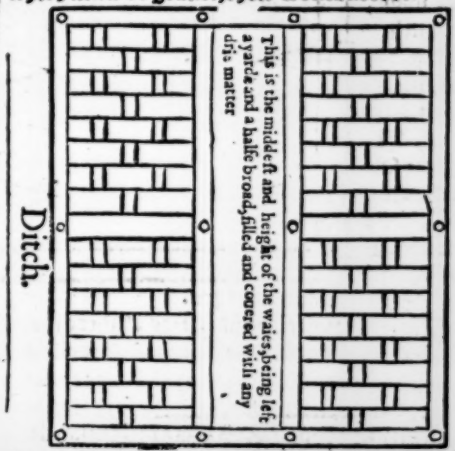
This frame heere-under, as the other aboue, with ſtones firſt as you ſee, and the reſt with wood or ſtones.



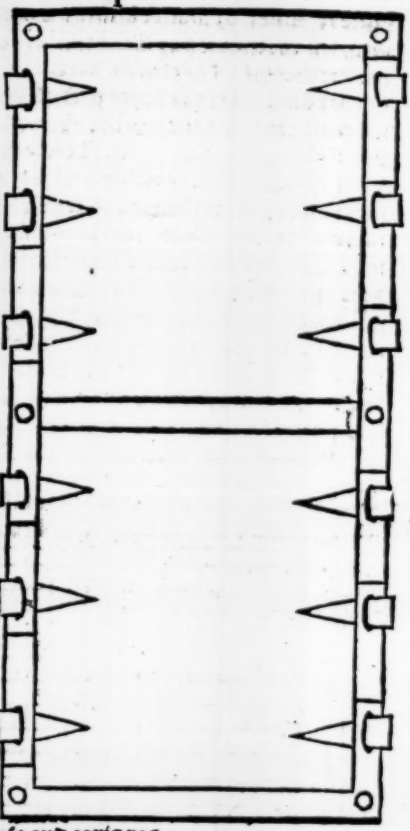
These frames beer-under, is to bee filled with stones in paving waise as you see, and after couered with grauel or sand.



This frame beer-under with flakes, wattles or sheep hurdles vnder which must be grauel, then wellcouered.



This aboue of hurdles is an easie, strong, and cheap way, and is good for clayish or spungie groundes or any other.



This ſingle frame being onelye bound with poles or rales, on the out ſides, as you ſee of the waye, muſt be ſtrongly ſtaked & pinned downe, and thē filled, ſpread & couered ouer with ẏ aforeſaid matters & eſpecially̆s with Iron-cinders, which will make no ill way; and is ſo plentifull in wood Countries, neare vnto the high waies, where there ſhall neede no other matter in thoſe parriſhes, and wel made, will indure with ſmall repayring, but it muſt haue manye loads of ſtones, more matter & ſtuffe, then any of the beforeſaid workes, becauſe it will ſhrinke & yeeld quickly̆e with ẏ water & wheeles, and ſuch like weight of horſe and cariages.

And laſtly in thoſe Countries and places, where there ſhall lacke, and is not, or cannot be found, ſtones, gravell, ſand, or young ſpring wood, to make frames, and to be cut billet or fagot faſhion, neither Iron cinders, or anye ſuch like hard and dry̆e matter to fill and couer therwith, as in Holland in Lincolnſhire and ſuch other. That there, and in ſuch places, they muſt make or cauſe to be made, kilnes like lime kilnes, brick-

kilnes.

kilnes, Tile, or Potter kilnes, wherein they must burne with sea-coales, pets or Turues, claye or earth, & make hard matter thereof, of hardnesse poterlike: the bigger of which matter shall make the vpper part of the way vppon the foundation thereof, and the smaller thereof to couer againe vpermoste aboue the other greater before said, and so ramme and settle the same close together, on their high-waies there & in such places, where their greatest care in their workes must be to leaue their waies high in the midst, and so euen and handsome, that no raine-water or ouerflowinges shall tarrie or abide vpō their cawsie or high waies, but fal speedily into their ditches, as is moste meete and prescribed to all high waies, and in these places, and in such like, where there is little wood or none to bee had for helpe thereof, it shall bee verie good and profitable that there the inhabitants or dwellers neare, or other waies shall plant & set young plants of willowes or other, as shall bee most meete or fitting therefore, al along by the sides of the said high-waies and ditches, which will growe and yeelde in short time, yearely helpe to the mending & repayring of the same said high waies, wattles and with hurdles.

The benefits and profits that shall or may arise vnto his Maiestie and subiects, here by art and action doing, if set on worke accordingly.

HIs Maiestie by his moste royall authority, and there vnder this prescribed manner, to bee performed and done, There shall be good & faire wayes made, which since the making of such good lawes, hetherto these fo. yeres past & more, hath not beene made and done accordingly, so as is now hereby taught and set foorth how to bee done, and moste of them maybe finished within the time prescribed, or thereabouts: where by from henceforth may bee saued manye thousand loades of matter and stuffe, charges and labors, and so thereby and there through many thousands of pounds yerely, If but rated after three shillings for euerie Cart, out of such numbers as are seruiceable to this said worke, by his Maisties Lawes and Statutes appointed. And likewise, if but after 8. pence the day for euery man, out of the aforesaid greate num-

bers so seruiceable as before said, & yet notwithstanding sufficient left for the yerely repayring of the said waies for euer, and the rest so saued whatsoeuer, may be otherwise necessarily imployed to other vses according to his maiesties good pleasure, or as shall be found most meete by his maiestie, and his moste honorable priuie counsell.

Also for waters, Riuers and their benefits.

THese saide waters or small riuers made for Boates and lighters to passe, that is to say, from one riuer to or neare vnto another, or from one Cittie, towne or place, too or neare vnto another, or into one another, where the same shall bee found meete and needfull: as from Thames too or neare vnto Seuerne, or from Seuerne to or neare vnto Thames, as also from Sarisburie, Stampford, North-hampton, Berry, Wakfield and Leedes, or Oxford, as also from the riuer of Lee, neare vnto Stock-bridge, to or neare vnto Clarken-well lying, and being on the north side of London: all which or any of them may be done accordingly, and any of the which he will vndertake to dos at an easie rate, and better cheape then anye other shall dos, not vsing his way and manner. For that hee seeth in other mens workes, labors and manner, much vnprofitably spent, which may and might be spared and saued, all which the generall and necessarie vses whereof are many: as for transportation and carrying of coales, Sea-coales, wood, Leade, Iron, corne and graine, Flaxe, Hempe, Woollen and Linnen cloath, with many diuers and sundrie commodities, whereby a custome or rent may growe vnto his Maiestie, and ease of charges & benefit by charges, & other benefits by interchange of commodities to diuers Townes, shires and places, whereby men euerie where may be stirred vp and prouoked diuerslie to seeke and finde out such commodities whatsoeuer their Countrie shall afford and bring forth to the profitting of themselues and others, And also by this meanes, that carried for fiue shillinges, which now vpon euerie tunne carrying costeth twentie, which then there shall or may be saued to help them vpon their commodities. The greatnes of the manifolde benefits, that hereby shall, may or might growe, bee leaueth to the good consideration and profound iudgement of the best

and

and wiſeſt, & to the good vnderſtanding of all in generall. The ſaid riuers or ſtreames whereſoeuer, to be made a rodde or pearch broad at the leaſt, at 25. pound a mile, or better cheape, as before ſaid: not offending, impeaching, or hurting Milles, dammes, weares or ſtreames or fiſhings, neither ouerflowing any mans grounds otherwiſe then their ordinary courſes or paſſadges, but rather bettering thoſe mens grouds diuers waies, thorow which the ſaid waters ſhal paſſe, to the multiplying of water to the ſaid Mils and grounds in Summer, & in drie places and ſeaſons, & multiplying of fiſh & foule: and vpon agreement or reaſonable requeſte made, he ſhal and will be readie with one of his Sonnes, named Elias Procter, of good & ſufficient ſkil, & experience in the ſaid works, or one of them, vpon ſome conuenient warning giuen, or procurement before made, to come & to ſhew & make and ſet forth the ſaide water courſes, or paſſages, or any of them, for the better ſatiſfying of thē rod by rod, how & which way ỳ ſame ſhal or may be done, whereby the owners thorow whoſe grounds ỳ ſame ſhal paſſe may be agreed & cōpounded with therfore, yeelding him or them but reaſonable & neceſſary charges for thē, their man & horſes for their comming & going for ſome 15. daies or therabouts, as ſhal be found but meet and reaſonable.

Theſe hereunder doth declare & make known the benefits & profits that ſhal or may ariſe vpon the making of yron, if the ſame ſhal be made with & after the direction of the ſaid Author in act & action, with true performance accordingly.

FIrſt to make Iron with a third part of wood-coales, where ſpring woods are, and may be ſpared for the benefit of the owners, or elſe to make Iron without any wood-coales at all, where there ſhall ariſe profit vpon the work and making of good and vſuall marchantable Iron, according to the qualitie of the mettle of the mine there, to euerie one, or to any one that ſhall lay in and imploy ſtocke and money thereon to all needfull and neceſſarie vſes fit and meete for the ſame, vpon the returne of euerie tunne ſo made, 20. ſhillings: or three ſhillinges vpon the returne of euerie twentie ſhillings ſo wrought and made into Iron, as before ſaide, of cleare profit, after the rate as the ordinarie price of Iron there now goeth, where the ſame Iron ſhall bee made or wrought, and ſo much Iron weekely there to be made, wrought and laide by, to bee deliuered orderly to ſecure and benefitte the ſaid ſtocke and worke, weekely after that rate, and to counteruaile, free, and diſcharge all other the ordinarie weekely charges, that ſhall bee imployed & diſpenſed therein, with the profitt thereof and thereunto due, and ſo forth from weeke to weeke, from time to time forth and forwards according: the

To his Maieſtie for Farme or Rent.

Where any ſuch worke ſhall be builded, erected, and ſet vp vpon his maieſties waſte lands or commons, with water and water courſes, Fuell, and Iron-ſtone, and for peate and all other neceſſaries fitting thereunto, to make rawe-Iron, bare-Iron, as is ſaide, and for farme rent twentie pound a yeare, yearely for the ſaid farme, whereas now there is ſcantly anye thing at all to bee had or made thereof: and likewiſe to euerie Lord or owner for farme, as beforeſaid vnto his Maieſtie 20. pound the yeare for ſuch like farme and neceſſaries, where now there is ſcantly rayſed any rent thereof at al. And laſtlye the Author, explainer and maiſter of theſe his proiects, thinketh and eſteemeth himſelfe worthie vpon performance of the ſurpluſage whatſoeuer of the profits of this his proiect ouer & abone as aforeſaid, or ſome certaine yearely ſtipend as ſhal be thought reaſonable therfore, and what otherimpoſition, benefits and profits may heareby growe enſue to his maieſtyes kingdome and Subiects, humbly ſubmitteth himſelfe and all the reſt to the iudgement and conſideration of the beſt and moſte worthyeſt to cenſure and determine.

FINIS.

MVSEVM BRITANNICVM